

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application)
CARLIN *et al.*)
Application Number: 09/457,724) Art Unit 2631
Filed December 10, 1999) Examiner
For: WIDEBAND COMMUNICATION INTERCEPT) Corriclus, Jean B.
AND DIRECTION FINDING DEVICE)
USING HYPERCHANNELIZATION)
Attorney Docket No. ARGO.0001)

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MAR 3 0 2004

Honorable Assistant Commissioner
for Patents
Washington, D.C. 20231

Technology Center 2600

AMENDMENT AND REQUEST FOR RECONSIDERATION

Sir:

This is in response to the Office Action mailed on March 20, 2003, the period of response to which will expire on June 20, 2003. Please amend the above-referenced application as follows:

IN THE SPECIFICATION:

Please replace the third paragraph of page 1 of the Disclosure currently on file with the following paragraph:

In addition, the present invention relates to detection, demodulation, and determination of direction of signal activity, and in particular, to a signal intercept and direction finding device using general purpose commercial-off-the-shelf (COTS) digitally programmable devices to hyperchannelize radio or acoustical spectrum into spectral cells narrower than the signal structure of interest so as to detect, synthesize, and recognize arbitrary signal activity, and determine signal direction by phase determination of angle of arrival or time difference of arrival.